MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

RENEWAL

C008397

Renewal type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2026

OWNER OF OPERATOR (Co.#87)

Commanding Officer, MCLB Barstow, CA
Box 110570 Bldg 196 Attn: Air Program Manager
Barstow, CA 92311-5050

EQUIPMENT LOCATION (Fac.#587)

USMC MCLB - Yermo Annex
USMC Logistics Base
Barstow, CA 923115013

Description:
REGENERATIVE THERMAL OXIDIZER (BLDG 634) consisting of: Four hydrophobic zeolite rotor collectors (three cycle), an 11 MMBtu/hr Kinemax Crossfire duct heater (concentrator regenerator at 350 degree Fahrenheit), and an oxidizer chamber with two Macon Kinemax low NOx natural gas burners (6.5 MMBtu/hr total, nominal oxidation chamber temperature 1500 degrees Fahrenheit) equipped with structured ceramic thermal recovery media. Facility Elevation is 1964 ft above MSL.

CONDITIONS:

1. This equipment shall be operated and maintained in strict accordance with the recommendations of its manufacturer or supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in compliance with all data and specifications submitted with the application under which this permit is issued. [Rule 1302(B)(1)(a)]

2. This device shall be fully functional and operating whenever any of the spray booths and curing ovens with valid District permits S008392, S008393, S008394, S008395, and S008396 are in use.
[Rule 1302(B)(1)(a)]

3. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Results of initial Capture Efficiency source tests;

Fee Schedule: 7 (h)	Rating: 1 device	SIC: 9711	SCC: 40299998	Location/UTM(Km): 512E/3861N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

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By: **COPY**
Brad Poiriez
Executive Director

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b. Results of annual Destruction Efficiency demonstrations;
c. Monthly and rolling consecutive twelve month period VOC release records; and
d. Descriptions of all malfunctions and corrective actions taken.
[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The combined VOC emissions from all equipment described in District permits S008392, S008393, S008394, S008395, S008396, S009622, S009969, C009623, C008397, and C009968 (the entire Paint and Undercoat Facility) to the atmosphere shall not exceed 3089 pounds of VOC in any consecutive twelve month period. Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations.
[District Rules 204, 1115, 1116, and 1303 - Requirements]

5. This equipment shall operate with a control efficiency of 95 percent (capture times destruction), comparing total VOC release in the booths and ovens and actual VOC emissions exhausted to the atmosphere from this device. Compliance tests described below, in conjunction with initial capture efficiency source test results, shall be used to demonstrate this control efficiency.

The owner/operator shall conduct compliance tests at least once every twelve (12) months at the concentrator outlet/oxidizer inlet, oxidizer outlet, and concentrator exhaust to determine VOC concentrations at high VOC loading and corresponding destruction efficiency (over three separate complete concentrator cycles), in accordance with the MDAQMD Compliance Test Procedural Manual. VOC concentrations shall be determined in accordance with USEPA Test Methods 25, 25A, or 25B, with USEPA Test Method 18, or CARB Method 422 used to determine exempt compound concentrations.

VOC concentrations in the concentrator exhaust shall be less than 10 ppm as methane. VOC emissions to the atmosphere shall be determined as the sum of emissions from the oxidizer outlet and concentrator exhaust. The concentrator exhaust flow rate shall be assumed as the sum of maximum design flow rates from all connected spray booths if not measured as part of the compliance test procedures.

Compliance Test Notifications, Protocols, and Results:
a. The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol.
b. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present.
c. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test.
d. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.
[Rule 1302(B)(1)(a)]

6. This thermal oxidizer shall only use PUC-regulated pipeline quality natural gas for fuel.
[District Rule 1303]

7. A facility-wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[Rule 107(b), HSC 39607 and 44341-44342, 40 CFR 51, Subpart A]